

**PRE-CONFERENCE AKI SYMPOSIUM (CME Available)***(see page 3 for elective symposium and workshop fees)***Changing Paradigms in Acute Kidney Injury:  
From Mechanisms to Management***Presented by UAB/UCSD O'Brien Center for AKI Research**CRRT Conference registration is NOT required for this elective symposium. See page 4 for details.*7:55 am **Opening Remarks** - Ravindra Mehta, MD**PLENARY 1 Molecules, Mechanisms and Targets***Co-Chairs: Anupam Agarwal, MD and Bruce Molitoris, MD*8:00-8:20 **TGF- $\beta$  in the AKI to CKD Transition** - Leslie Gewin8:20-8:40 **Pannexins in Acute Kidney Injury** - Mark Okusa8:40-9:00 **Single Cell Transcriptomics in AKI and CKD** - Benjamin Humphreys9:00-9:20 **Regulatory B Cells and Natural IgM in AKI** - Peter Lobo9:20-9:40 **The Kidney is Out of Breath in AKI** - Can Ince9:40-10:00 **Discussion**10:00-10:15 *Coffee Break***PLENARY 2 Of Mice and Men: Harmonizing Human and Animal AKI***Co-Chairs: Paul Sanders, MD and Volker Vallon, MD*10:15-10:35 **Molecular Characterization of the Transition from AKI to CKD** - Andrew McMahon10:35-10:55 **Impact of Metabolism on Surviving Sepsis: Implications for Sepsis-induced AKI**  
Sarah Huen10:55-11:15 **HDAC Inhibition for Prevention of Fibrosis Following Sepsis-induced AKI** - John Kellum11:15-11:35 **Epigenetic Regulation in AKI** - Zheng Dong11:35-11:55 **Renin-Angiotensin-Aldosterone System: Good for the Kidney** - Matthieu Legrand11:55-12:15 **Discussion**12:15-1:15 pm *Lunch Hosted by Conference***PLENARY 3 Bench to Bedside: Translating Discoveries to Clinical Care***Co-Chairs: Patrick Murray, MD and Kathleen Liu, MD*1:15-1:35 **Kidney Precision Medicine and AKI** - Jonathan Himmelfarb1:35-1:55 **Metabolic Stress in AKI: From Mouse to Man** - Samir Parikh1:55-2:15 **Tubular Health Characterization in AKI** - Etienne Macedo2:15-2:35 **AKI in Kidney Transplants: New Insights** - Roslyn Mannon2:35-2:55 **Renal Injury During Preclampsia: Role of Extracellular Vesicles** - Vincenzo Cantaluppi2:55-3:15 **Discussion**3:15-3:30 *Coffee Break***PLENARY 4 Controversies in AKI***Co-Chairs: Claudio Ronco MD and Stuart Goldstein, MD*3:30-3:50 **Prediction of AKI Following Cardiac Surgery** - Frederic Billings3:50-4:10 **Renal Immune Surveillance in AKI** - Daniel Muruve4:10-4:30 **Remote Ischemic Preconditioning: Fact or Fantasy?** - Alex Zarbock4:30-4:50 **Targeting AKI Using Biomarker Combinations** - Rajit Basu4:50-5:10 **Phenotyping Acute Kidney Disease- ATN vs. AIN?** - Chirag Parikh5:10-5:30 **Discussion**5:30 **Adjourn**5:30-7:00pm **Tuesday Evening Reception & Poster Review** - For All Conference Attendees